Name:_____ Date:_____ Period:_____

Addition and Subtraction of Fractions with Unlike Denominators

Find the Common Denominator by multiplying the two different denominators.

$\frac{1}{b}+\frac{1}{c}$ $\frac{\boldsymbol{c}}{\boldsymbol{c}}\cdot\frac{1}{b}+\frac{1}{c}\cdot\frac{\boldsymbol{b}}{\boldsymbol{b}}$ $\frac{1\mathrm{c}}{\boldsymbol{bc}}+\frac{1\mathrm{b}}{\boldsymbol{bc}}$ $\frac{1\mathrm{c}+1\mathrm{b}}{\boldsymbol{bc}}$ (b)(c) is common denominator	$\frac{1}{5}+\frac{1}{3}$ $\frac{\boldsymbol{3}}{\boldsymbol{3}}\cdot\frac{1}{5}+\frac{1}{3}\cdot\frac{\boldsymbol{5}}{\boldsymbol{5}}$ $\frac{3}{\boldsymbol{15}}+\frac{5}{\boldsymbol{15}}$ $\frac{3+5}{\boldsymbol{15}}=\frac{8}{15}$ C D = (5)(3) = 15

1	$\frac{2}{3}+\frac{1}{5}$ C D = ( )( ) =	2	$\frac{3}{4}+\frac{1}{3}$ C D = ( )( ) =

3	$\frac{1}{6}+\frac{1}{5}$ C D = ( )( ) =	4	$\frac{4}{7}-\frac{1}{2}$ C D = ( )( ) =